

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A device for the exchange of heat, having at least one flow device and at least one collection and/or distribution device connected to the at least one flow device at a connection point, in conjunction with which the at least one flow device exhibits a flat tubular cross section having one long side and one short side in relation to the long side, as well as a predetermined flow device length, in conjunction with which a fluid under high pressure is capable of flowing through the at least one flow device and the at least one collection and/or distribution device, ~~characterized in that~~ wherein the at least one flow device exhibits a linear course over the entire length of the flow device along a longitudinal axis of the flow device, and in that the long side of the flat tubular cross section exhibits a length in the order of approximately 5 mm to 6.1 mm, and in particular 5 mm to 5.9 mm, and in that at the connection point, the long side of the flat tubular cross section of the flow device exhibits an angle of approximately 90° in relation to a principal direction of extension of the collection and/or distribution device.

2. (Currently amended) A device as claimed in claim 1, ~~characterized in that~~ wherein the short side of the flat tubular cross section of the flow device exhibits a length of approximately 1 mm to 2 mm and/or the length of the flow device is approximately 200 mm to 800 mm.

3. (Currently amended) A device as claimed in ~~at least one of the foregoing claims, characterized in that~~ claim 1, wherein the flow device exhibits at least one internal flow channel running essentially parallel with the longitudinal axis of the flow device, and preferably a plurality of internal flow channels running essentially parallel with the longitudinal axis.

4. (Currently amended) A device as claimed in ~~the foregoing claim,~~
~~characterized in that~~ claim 3, wherein, in its cross section, the at least one flow channel
exhibits a form which is essentially circular, elliptical, polygonal or rectangular, or a
combination of mixed forms of these.

5. (Currently amended) A device as claimed in ~~at least one of the foregoing~~
~~claims, characterized in that~~ claim 1, wherein the device exhibits a plurality of the flow
devices, each of which is connected to the at least one collection and/or distribution device
and/or which are arranged essentially on at least one level and/or are arranged essentially
parallel with one another.

6. (Currently amended) A device as claimed in ~~the foregoing claim,~~
~~characterized in that~~ claim 5, wherein the plurality of flow devices are arranged on two levels.

7. (Currently amended) A device as claimed in ~~the foregoing claim,~~
~~characterized in that~~ claim 1, wherein the device exhibits two collection and/or distribution
devices, of which each is connected to one end of the at least one flow device.

8. (Currently amended) A device as claimed in ~~one of the foregoing claims,~~
~~characterized in that~~ claim 1, wherein the at least one collection and/or distribution device
exhibits a tubular cross section, in conjunction with which an internal diameter of the tubular
cross section of the collection and/or distribution device is approximately equal to the long
side of the flat tubular cross section of the flow device.

9. (Currently amended) A device as claimed in ~~one of the foregoing claims,~~
~~characterized in that~~ claim 1, wherein the fluid flowing through the at least one collection
and/or distribution device is a cooling medium and/or is under a pressure of approximately
125 bar.

10. (Currently amended) A cooler, in particular a gas cooler, and/or an auxiliary
heater ~~with~~ comprising a device as claimed in ~~one of the foregoing claims, characterized in~~

~~that~~ claim 1, wherein the cooler and/or the auxiliary heater exhibits a plurality of the flow devices, each of which is connected to the at least one collection and/or distribution device and/or which are arranged essentially on at least one level and/or are arranged essentially parallel with one another, and in that the cooler and/or the auxiliary heater exhibits a plurality of ribs, which are arranged between neighboring flow devices essentially perpendicular to the longitudinal direction of the flow device in each case, in order to promote an exchange of heat between the air and the fluid.

11. (Currently amended) A device for the air conditioning of air introduced into the interior of a motor vehicle, having at least a compressor, an evaporator and/or auxiliary heater, an expansion valve and a cooler, ~~in conjunction with which at least an~~ comprising at least one auxiliary heater and/or a cooler is as claimed in claim 10.

12. (Currently amended) A method for producing a device for heat exchange, comprising: ~~characterized in that, in accordance with the method, producing~~ a connection is ~~produced~~ at a connection point between at least one flow device and one collection and/or distribution device, which connection is ~~taken~~ selected from a group ~~that contains~~ consisting of soldered, welded or adhesive bonded connections, ~~in conjunction with which wherein~~ the at least one flow device

- exhibits a flat tubular cross section having a long side with a length in the order of approximately 5 mm to 6.1 mm, and in particular 5.9 mm, and having a short side in relation to the long side;
- exhibits a predetermined flow device length;
- accommodates the flow of a fluid under high pressure, and
- exhibits a linear course over the entire length of the flow device along a longitudinal axis of the flow device,

~~in conjunction with which wherein~~ wherein a fluid under high pressure is capable of flowing through the at least one collection and/or distribution device, and ~~in conjunction with which wherein~~, at the connection point, the long side of the flat tubular cross section of the flow device exhibits an angle of approximately 90° in relation to a principal direction of extension of the collection and/or distribution device.